

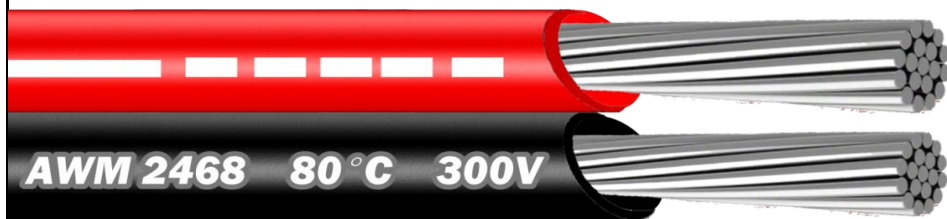
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SPECIFICATION規格書

Specification 規格書

Name 品名 :	UL 2468 Flat RIBBON CABLE		
Spec 規格 :	18AWGx2C 80°C 300V		
No.項次	Item(項目)	Value(規格值)	公差
Conductor Structure 導體結構			
1.	Cond. Material (導體材質)	Tinned Copper	-----
2.	Cond. Structure (導體結構)	0.18 mm / 34	± 0.008mm
3.	AWG / mm ² (美規公稱)	18 AWG	-----
4.	No. of Core(芯線數目)	2 Cores (Flat shape)	-----
Insulation Structure 絕緣層結構			
5.	Ins. Material (材質)	-----	-----
6.	Ins. Thickness (厚度)	-----	mm
7.	Inner Wire Dia. (芯線外徑)	-----	± 0.10mm
8.	Ins. Color (芯線顏色)	-----	-----
Outside Jacket 外被披覆			
9.	Sheath Material (材質)	PVC	-----
10.	Sheath Thickness (厚度)	15mils	mm
11.	Overall Diameter (總完成外徑)	2.10mm x 4.20mm	± 0.15mm
12.	Sheath Color (外被顏色)	BLACK / RED	-----
Electronis Characters 電氣特性			
13.	Rated. Voltage (額定電壓)	300 V	V
14.	Rated. Temperature (額定溫度)	80 °C	°C
15.	C-Resistance (導體電阻)	24.4 Ω /Km ↓ (20°C)	Max Value
MARK	AWM STYLE 2468 STANDARD MARK		

Structural Configuration (結構圖):





大 域 科 技 股 份 有 限 公 司

TA YU SCIENCE Co., Ltd

SPECIFICATION規格書

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Technical information 技術資料

MAP[®] FLAT RIBBION CABLE AWM 2468

Application

MAP[®] UL2468 is a standard flat ribbon cable with UL safety approvals verified. It'sL2468 specification comes from size 32AWG to 16AWG. It is widely used for internal wiring of electronic equipment and device. PVC insulated flat ribbon cable under categories of UL cable.

Design

Rating	80 deg C , 300 Vac , Horizontal flame. Optional
Design	Design based on standard UL 758
Insulation	PVC based compound
Conductor	Fine wire strands of Tinned annealed copper wires
Core identification code	As Following Table 1 Color code
Shape	Flat Ribbon Shape

Electrical properties at 20°C

Conductor resistance

Cross section [AWG]	max [Ω/km]
28 AWG	214.0
26 AWG	152.0
24 AWG	88.6
22 AWG	62.5
20 AWG	39.5
18 AWG	24.4
16 AWG	15.6

Specific insulation resistance > 15MΩ / km

Test voltage 500 Vac / minute

Mechanical and thermal properties

Minimum bending radius	Fixed installation: 15 x cable Ø
Temperature range	Fixed installation: - 10 °C up to +80 °C
Flammability	Flame retardant Horizontal flame. Optional
General requirements	This cable is conform to RoHS (Restriction of the use of certain hazardous substances)

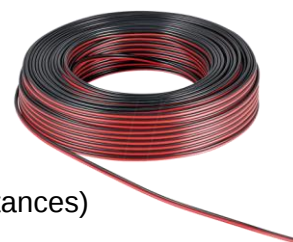


Table 1. Color code

Core Identification	1C	2C	3C	4C	5C	6C	7C	8C	9C	10C
Insulation. color	Red	White	Black	Green	Yellow	Blue	Gray	Orange	Brown	Violet